

**Docket: 010029**  
**PATENT****PENDING CLAIMS AS AMENDED**

Please amend the claims as follows:

1. Previously Canceled.
2. Previously Canceled.
3. Previously Canceled.
4. Previously Canceled.
5. Previously Canceled.
6. Previously Canceled.
7. Previously Canceled.
8. Previously Canceled.
9. Previously Canceled.
10. Previously Canceled.
11. Previously Canceled.
12. Previously Canceled.
13. Previously Canceled.
14. Previously Canceled.
15. Cancel
16. (Currently Amended) A remote station apparatus comprising:  
The remote station apparatus of claim 15 further comprising  
an adaptation model containing acoustic pattern information;  
an adaptation engine configured to perform pattern matching of acoustic feature  
vectors against the acoustic pattern information to identify a selected feature vector  
modification function, and configured to apply the selected feature vector modification  
function to the acoustic feature vectors to produce a set of modified acoustic feature  
vectors for processing by a voice recognition engine using a central acoustic model larger  
than the adaptation model;  
a control processor for evaluating the performance of the selected feature vector  
modification function and adjusting the selected feature vector modification function  
based on the evaluating; and  
a communications interface for communicating the modified acoustic feature  
vectors to the voice recognition engine.

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17. (Currently Amended) The remote station apparatus of claim ~~15~~ 16 further comprising a memory for storing at least one set of parameters corresponding to a set of feature vector modification functions, wherein the selected feature vector modification function is a member of the set of feature modification functions.

18. (Original) The remote station apparatus of claim 17 wherein the memory contains more than one set of parameters corresponding to a set of feature vector modification functions, and wherein each set of parameters corresponds to a specific speaker.

19. (Original) The remote station apparatus of claim 17 wherein the memory contains more than one set of parameters corresponding to a set of feature vector modification functions, and wherein each set of parameters corresponds to a different acoustic environment.

- 20. Previously Canceled.
- 21. Previously Canceled.
- 22. Previously Canceled.
- 23. Previously Canceled.
- 24. Previously Canceled.
- 25. Previously Canceled.
- 26. Previously Canceled.
- 27. Previously Canceled.
- 28. Previously Canceled.
- 29. Previously Canceled.
- 30. Previously Canceled.
- 31. Previously Canceled.
- 32. Cancel.
- 33. Cancel.
- 34. Cancel.
- 35. Cancel.
- 36. Cancel.
- 37. Cancel.
- 38. Cancel.

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39. Canceled.
40. Previously Canceled.
41. Previously Canceled.
42. Previously Canceled.
43. Previously Canceled.
44. Previously Canceled.
45. Previously Canceled.
46. Previously Canceled.
47. Previously Canceled.
48. Previously Cancel.
49. Cancel.
50. (New) A method comprising:
  - retrieving, from an adaptation model, acoustic pattern information;
  - performing, using an adaptation engine, pattern matching of acoustic feature vectors against the acoustic pattern information to identify a selected feature vector modification function;
  - applying, by the adaptation engine, the selected feature vector modification function to the acoustic feature vectors to produce a set of modified acoustic feature vectors for processing by a voice recognition engine using a central acoustic model larger than the adaptation model;
  - evaluating the performance of the selected feature vector modification function and adjusting the selected feature vector modification function based on the evaluating; and
  - communicating the modified acoustic feature vectors to the voice recognition engine.
51. (New) The method of claim 50, further comprising: storing, in memory, at least one set of parameters corresponding to a set of feature vector modification functions, wherein the selected feature vector modification function is a member of the set of feature modification functions.

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52. (New) The method of claim 51, wherein the memory contains more than one set of parameters corresponding to a set of feature vector modification functions, and wherein each set of parameters corresponds to a specific speaker

53. (New) The method of claim 51, wherein the memory contains more than one set of parameters corresponding to a set of feature vector modification functions, and wherein each set of parameters corresponds to a different acoustic environment.

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